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**(54) METHOD FOR ASSEMBLING
PLATE AND FRAME MEMBRANE
SEPARATOR**

(57) Abstract:

PROBLEM TO BE SOLVED: To safely perform drug manufacturing and purification without bacterial contamination or the like by subjecting a matter prepared by laminating or integrating all membrane unit or several groups of plural membrane units in which all the membrane units are classified to sterilization or pyrogen removing treatment, and then arranging pressing frames at both the ends of the integrated matter, and tightening the membrane units between both the pressing frames.

SOLUTION: In a plate frame membrane separator, a lot of membrane units 'u' are placed one upon another, pressing frame 6 are arranged at both the ends thereof, and the pressing frames 6, 6 are tightened by bolts 7. In this way, an original liquid main path 310, a concentrated liquid main path 320, and a permeated liquid main path 330 are respectively formed. When assembling the membrane separator, such membrane units 'u' are laminated, and are integrated by tightening bolts 71 inserted into the end parts of the support plates of the membrane units 'u', and the laminated and integrated matter E is subjected to sterilization and disinfection or pyrogen removal by steam treatment using an autoclave. After that, the laminated and integrated matter E is laminated by 'n' layers, and both the pressing frames 6, 6 are tightened by the bolts 7 to complete assembling.

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